



November Conference Call Talking Points November 12, 2014

NY-Sun Solar PV Incentive Program

Updates to Program (If applicable)

Max Joel, Community DG

Phase I of Community Distributed Generation (Community DG) is in effect. This enables "Shared Solar" projects where net metering credits from an installation are credited to multiple offsite customers. Each utility has posted their Operating Procedures for Community DG. Projects may only be sited in the utility designated "Community DG Opportunity Zones" if they will interconnect before May 1, 2016. Projects that include low income households as more than 20% of their members, or projects that will interconnect after May 1, 2016 may be sited anywhere served by an IOU.

A webinar on Community DG can be found on the NY-Sun Stakeholder Meetings page, and NYSERDA is developing additional informational materials for solar installers and customers. Currently, projects that will be using Community DG should select this option in the new checkbox in PowerClerk. The NY-Sun Program Manual and Addendum will also be modified to address Shared Solar/Community DG.

The Community D/G is a Yes/No required field in the Res/Small Commercial and the Res/Small Commercial Long Island program under the "Customer Site Tab".

The Community D/G is a Yes/No required field in the Commercial/Industrial program under the "Project Site Tab".

Guest Speakers

PSEG Power Asset Management (PAM) John Cassano, Orlando Molinares and John Hawley.

- The current team in a short time has imparted and established an exceptional level of customer service to both our customers and trade partners. We strive to continuously improve the level of communication providing clear and consistent feedback hopeful that it will lead to improved and more rapid project turnaround. This consideration remains in lieu of a measurable increase in project and application submissions.

- Each member of our team is proficient and qualified in all program attributes providing us the flexibility to dedicate and shift resources as necessary to sufficiently address any demands, and any excessive project inventory.

- The first 3 quarters of the year presented a consistent volume of application submission and program activity. The last quarter has seen a significant (35%) increase in program participation and activity.

- Ongoing concerns with the contractor community is as follows:
 - Contractors consistently neglecting to include all required documentation even after the team discusses this issue with them on a regular basis.
 - Information that is submitted is not consistently correct or complete
 - Missing Account Information
 - Correct Project Address
 - Customers Name and Signature's
 - Site Control Documentation

- Incoming communication within the subject line is not consistent in detailing the nature of the email. (i.e. - New Project Submission, Project Close-Out, etc...).

- We find that contractors do not continually provide consistent and accurate information to their customers. We frequently field questions from the

customer with regard to:

- The elimination of balanced billing
- The actual process from start to finish
- Anniversary dates
- The role of the utility going forward
- The new billing practice and what the customer can expect for energy use above and beyond the capacity of the newly installed PV system.

If the contractor community would consistently follow the SGIP procedures listed on our website, and in all printed materials this would alleviate and mitigate application delays, missing documentation notices, and the processing time it takes once a project is submitted. This would assist in minimizing the actual time it takes to review, evaluate, and provide an approval or close-out to each project.

Looking ahead the team is evaluating options that could prove to be beneficial in ensuring a smoother transition from inception to closure. The benefit of more personal and regular communication in the way of possible in-house contractor meetings, along with field visits to reinforce continuous program compliance and ensure that each partner is constantly up-to-date with any and all program changes and requirements.

Please have follow up questions addressed to PAMSolarLI@pseg.com or Stephen.cantore@pseg.com, telephone (516) 949-8295.

Operations Updates and Reminders

Where we are installations under NY-Sun

Since the beginning of 2015, to date November 12, 2015, <200kW program has installed 143 MW of PV capacity and the >200kW program has installed 21 MW for a total of 164 MW of installed capacity in 2015. An additional 470 MW are in development.

Reminder: Community DG Field in Powerclerk

A new field has been added to the Project Application in Powerclerk under the Customer Site Info tab. It reads "Community D/G?" and has a Yes or No

drop down. This field identifies that the project is part of a larger Community Distributed Generation project. If your project is not, you must select "No".

Addition of 18MW - Long Island Residential Region

As announced last week, we have reallocated 18MW to the Long Island Residential Region. We expect the additional megawatts will extend the residential MW Block for another 3 to 4 months, at which time no more State residential solar incentives will be available

MW Block Revision Update

We are continuing to monitor the blocks for Long Island, ROS and Con Ed. As necessary we may adjust the blocks to account for attrition from previous blocks. We will update the dashboard, MW Block structure and send out announcements if changes are made.

Open NY Database

A new data set has been added - and includes: Completed Projects by City and Contractor. Dataset provides market insight into the volume of work and photovoltaic (PV) capacity installed in New York State annually, by city and contractor, beginning August 2010 under the New York State Energy Research and Development Authority (NYSERDA)'s NY-Sun Solar Electric Incentive Program Opportunity Notice (PON) 2112. The dataset includes the following data points: Project Install Year, Contractor, County, City, Project Count by City, Project Cost, NYSERDA Incentives, Kilowatt Capacity, Expected Annual Kilowatt Hour Production, and NYSERDA Solicitation.

<http://ny-sun.ny.gov/For-Installers/Solar-Installation-Data-and-Tools>

Solar Announcements Email List

A new opt-in email list serve is currently being created. Within the next few weeks, you will receive a request from us to re-register your email address in order to receive Solar Announcements. You will be required to add your email address to this list, even if you are currently receiving the Solar Announcement emails.

As a reminder, solar announcements are also being posted to the NY-Sun website:

<http://ny-sun.ny.gov/For-Installers/Solar-Announcements>

Overdue Project Applications

We are working on a significant cleanup of overdue projects. If you receive

notification from us that your project is overdue, you must respond to us as your project is in jeopardy of being cancelled.

Incentive Request Forms

Incentive Request Forms should be completely filled out, signed by all parties in the appropriate sections. All required supporting documents should be included with the incentive request form in a single PDF. The maximum file size that is acceptable is 5 MB.

The equipment listed on the form must match Powerclerk. This includes the full module model #. If the equipment has changed, you must submit a Change Order to have the equipment updated in Powerclerk. The Change Order must be approved by NYSERDA *PRIOR* to submittal of the Incentive Request Form.

Issues found with an Incentive Request form means a longer processing time as we wait for you to fix and resubmit, which means you experience a delay in payment.

Using Current Form Versions

As a reminder, the latest forms are available on the NY-Sun website. We will continue to accept older versions of the incentive request form and change order form ONLY if the customer has already signed. Otherwise, you must use the most recent version.

<http://ny-sun.ny.gov/For-Installers/Forms-Manuals-Tools>

Contractor Resources

As a reminder, please visit the Contractor Resources section of the NY-Sun website. We are continuing to update this page and encourage all Contractors/Installers to use this page as a reference guide. Documents include project application guidance, sample documents, fact sheets, inspection criteria and other documents pertaining to the Program.

<http://ny-sun.ny.gov/For-Installers/Contractor-Resources>

Response Requested

Please be sure to respond to all missing information requests as soon as possible. As a reminder, if the information is not provided or corrected within 10 calendar days of being requested by NYSERDA/PSEG, the Project Application will be denied.

Design Review and Technical Assistance

Let's take a moment and look at PVC Conduits on roofs. Article 352, Rigid Polyvinyl Chloride Conduit (PVC) anytime conduit is installed on roofs it is exposed to both high and low temperatures. 2014 NEC 352.12(D) lists a maximum ambient temperature for PVC of 50° C (122° F). Parapets or flat roofs that block breezes in direct sun may exceed the 50° C maximum. Pay particular attention to 2014 NEC 352.44 for requirements for expansion fitting and 2014 NEC 352.30 for securing and supports. Also look for the sunlight resistant markings to determine the materials suitability to withstand UV light over the life of the system.

The proposed 2017 NEC is now considering further restrictions associated with the Rapid Response Shutdown (2014 NEC) that will further limit the area where the associated DC wiring may be run without the shutdown device to within one foot of the perimeter of the array (the distances from the array to the Shutdown device remain the same). This is done to reduce the area where first responders may come in contact with energized DC conductors.

This ties in with the use of PVC conduit. As the designer you have to select the most appropriate materials, and remember that the code is the minimum. For this reason, there are people advocating that no PVC conduits should be used prior to the Shutdown device.

As a reminder the Contractor resource section has been added to the NY Sun Website. Contractors are encouraged to take advantage of this resource.

<http://ny-sun.ny.gov/For-Installers/Contractor-Resources>

QA Issues

Contractors are reminded that when responding to QA reports that had a failing score they should be using the CAR template. The template allows the contractor to upload photos that detail the specific correction. Do not send individual

unlabeled photos or multipage instruction manuals as they will be rejected. Also when the equipment or information at the site does not match the information in PowerClerk a Change Order **must** be sent to the PVForms@nyserda.ny.gov e-mail address, a copy image of the Change Order should be pasted into the CAR.

Regarding pre-existing non code conforming conditions, when the existing electrical distribution system is substandard and has pre-existing conditions, such as improper grounding, wrong size conductors, improper overload protection, these items must be corrected before the PV system can be installed. Using the excuse that it was pre-existing does not remove the contractor of liability in the event of a malfunction. The customer can consult with their accountant or tax professional to determine if all or a portion of the upgrade may be eligible for tax credits. Often the customer may not understand the seriousness of the problem and you being on site may be in the best position to provide them guidance.

Next Call: The next conference call we be held on December 10, 2015 at 9:00am.

An agenda will be sent out in advance of the call.

Thank you,

NY-Sun Team

About NY-Sun

NY-Sun, a dynamic public-private partnership, will drive growth in the solar industry and make solar technology more affordable for all New Yorkers. NY-Sun brings together and expands existing programs administered by the New York State Energy Research and Development Authority (NYSERDA), Long Island Power Authority (LIPA), PSEG Long Island, and the New York Power Authority (NYPA), to ensure a coordinated, well-supported solar energy expansion plan and a transition to a sustainable, self-sufficient solar industry. To learn more about NY-Sun, visit ny-sun.ny.gov

